CLAIM LISTING

1. (Currently amended) A data management system, comprising:

an interface connecting the system to one or more data sources;

at least one facility linked to the interface for managing the one or more data sources; and

at least one portal comprising a plurality of data viewers[,];

wherein the system allows more than one portal to be viewed simultaneously,

wherein each data viewer has [having] access to one or more [a] data sources and [being configured to] analyzes [perform analysis of] data in the data sources and displays[ing] the results of said [an] analysis [,];

wherein each portal and each data viewer has the ability to perform [having] one or more of the following management features: create, save, open, edit, merge and destroy, and

wherein the system allows one or more data viewers from one portal to be merged into another portal;

wherein for each data viewer being merged into another portal, the data sources are cloned so as to isolate different instances of an original data source such that each data viewer has its own cloned instance of a data source; and

wherein the system allows data that is acquired from different instances of a single data source or different instances of different data sources to be edited across portals, and wherein federation supports the editing of data across portals.

2. (Original) The system of claim 1, wherein at least one of the data sources is remotely accessible via telecommunications network.

3.   (Original) The system of claim 2, wherein the telecommunications network is one of: the Internet, an intranet, an extranet linked to an intranet.

4.   (Previously presented) The system of claim 1, wherein <u>at least one data viewer has access to at least two data sources, and</u> [the interface is connected to] <u>the at least two data sources</u> [that] <u>operate under different data systems</u>.

5.   (Canceled) The system of claim 1, wherein the one or more data sources include one or more of the following data systems: DB2, Oracle, Sybase, INFORMIX, MS SQL SERVER, IMS, PDS, QSAM and VSAM or any combination thereof.

6.   (Currently amended) The system of claim 1, wherein the interface comprises a data source controller that [is configured to] create<u>s</u>, edit<u>s</u>, organize<u>s</u>, select<u>s</u>, and delete<u>s</u> connection specifications for said one or more data sources.

7.   (Currently amended) The system of claim 1, wherein <u>the</u> data viewer[s are one or more of:] <u>that is being merged into another portal is</u> a plexus viewer showing data relationships using link-node style diagrams,[;] a table viewer showing data in a table format,[;] <u>a</u> record viewer showing a row of data at a time, an SQL dialog and viewer for general SQL commands, <u>or</u> [and] a chart viewer showing data in a chart format, <u>and wherein the format of the data viewer does not change when it is merged into the other portal</u>.

8.   (Original) The system of claim 1, wherein the at least one portal enables concurrent visualization and manipulation of data from different sources.

9.   (Previously presented) The system of claim 1 further comprising a state-save facility that <u>rebuilds the data viewers in a subsequent session</u> [records the status of the system operations].

10.   (Previously presented) The system of claim 9, wherein <u>when a data viewer is rebuilt, it displays the data as it exists at the time at which the data viewer is rebuilt</u> [the state-save facility records the status of the system operations, such that the status can be restored in an open environment].

11.   (Previously presented) The system of claim 9, wherein the state-save facility comprises a facility for monitoring and recording data sources used by <u>the data</u> viewer to which each data source is associated.

12.   (Currently amended) <u>A data management system, comprising:</u>

<u>an interface connecting the system to one or more data sources;</u>

<u>at least one facility linked to the interface for managing the one or more data sources;</u>

<u>at least one portal comprising a plurality of data viewers; and</u>

<u>a save-state facility that rebuilds the data viewers in a subsequent session;</u>

<u>wherein the system allows more than one portal to be viewed simultaneously;</u>

<u>wherein each data viewer has access to one or more data sources and analyzes data in the data sources and displays the results of said analysis;</u>

<u>wherein each portal and each data viewer has the ability to perform one or more of the following management features: create, save, open, edit, merge and destroy;</u>

<u>wherein the system allows one or more data viewers from one portal to be merged into another portal;</u>

<u>wherein the state-save facility comprises a facility for monitoring and recording data sources used by the data viewer to which each data source is associated; and</u>

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wherein a portal is either open or closed and information from the state-save

facility is used to rebuild all of the data viewers associated with a particular portal by

requerying the data sources associated with said data viewers at the point in time in

which the portal is reopened. [The system of claim 11, wherein portals can be opened

and closed and information from the state-save facility can be used to restore the last state

of a saved portal upon re-opening the portal.]

13.   (Canceled) The system of claim 11, wherein contents of one portal can be merged

with another portal.

14.   (Currently amended) The system of claim 12, wherein the system allows one or

more data viewers from one portal to be merged into another portal [contents of one

portal can be merged with another portal] in the same user session.

15.   (Currently amended) The system of claim 12, wherein the system allows one or

more data viewers from one portal to be merged into another portal [contents of one

portal can be merged with another portal] in different sessions of the same user.

16.   (Currently amended) The system of claim 12, wherein the system allows one or

more data viewers from one portal to be merged into another portal [contents of one

portal can be merged with another portal] in a different session of a different user[s].

17.   (Previously presented) The system of claim 10, wherein the state-save [and load]

facility enables sharing of the data viewers and data associated with the data viewers

[data sources] among a plurality of users.

18.   (Currently amended) The system of claim 17, wherein the system allows one or

more data viewers from one portal to be merged into another portal [contents of one

portal can be merged with another portal] in a different session of a different user[s] at a later point[s] in time.

19.   (Currently amended) The system of claim 1, wherein the system utilizes JDBC connectivity to dynamically and recursively generate queries for accessing and manipulating data content in a multi-processing environment [the interface operates with any JDBC connectivity].

20.   (Currently amended) The system of claim 1, wherein the at least one managing facility [is configured to] creates a test data set.

21.   (Currently amended) The system of claim 1, wherein the managing facility [is configured to] compares the contents of two or more data sources.

22.   (Currently amended) The system of claim 1, wherein the managing facility [is configured to] compares the contents of more than two data sources.

23.   (Currently amended) The system of claim 1, wherein the managing facility [is configured to] performs one or more of the following: querying a data set, updating a data set, saving a data set, restoring a data set, and restructuring a data set.

24.   (Canceled) The system of claim 1 further comprising a transcript facility that provides a record of actions performed in the system.

25.   (Canceled) The system of claim 24 further comprising one or more read-only transcript facilities.

26.   (Canceled) The system of claim 25 further comprising one or more user-editable transcript facilities.

27.   (Currently amended) A data quality control system, comprising:

        an interface connecting the system to a plurality of data sources;

at least one portal operatively connected to the interface[,]; and

a data input facility including a graphical user interface for selecting one or more data sources of data to be analyzed and the type of data analysis to be performed;

wherein the portal comprises[ing] a plurality of data viewers,

wherein the system allows more than one portal to be viewed simultaneously,

wherein each data viewer has [having] access to one or more [a] data sources and [being configured to] analyzes [perform analysis of] data in the data sources and displays[ing] the results of said [an] analysis,

wherein each portal and each data viewer has the ability to perform [having] one or more of the following management features: create, save, open, edit, merge and destroy[;],

wherein the system allows one or more data viewers from one portal to be merged into another portal;

wherein for each data viewer being merged into another portal, the data sources are cloned so as to isolate different instances of an original data source such that each data viewer has its own cloned instance of a data source; and

wherein the system allows data that is acquired from different instances of a single data source or different instances of different data sources to be edited across portals, and wherein federation supports the editing of data across portals.

28.   (Canceled) The system of claim 27, wherein the at least one portal comprises means for saving data analysis.

29.   (Previously presented) The system of claim 27 [28], wherein the at least one portal comprises means for saving data analysis, and wherein the means for saving

comprises one or more of: a save portal state process, a restore portal state process, a share portal state process, a save data source definitions process, a restore data source definitions process, and a share data source definitions process.

30.   (Currently amended) The system of claim 27[8], wherein [the] <u>each</u> data viewer[s] [of a portal comprise one or more of:] <u>is</u> plexus viewer, a table viewer, a chart viewer, a record viewer showing a row of data at a time, [and] <u>or a</u>n SQL dialog and viewer for general SQL commands<u>, and wherein the format of the data viewer does not change when it is merged into the other portal</u>.

31.   (Original) The system of claim 27, wherein the at least one portal is associated with a directory controller.

32.   (Original) The system of claim 31, wherein the directory controller is a data source directory controller.

33.   (Original) The system of claim 27 further comprising means for comparing data in at least two data sources.

34.   (Previously presented) The system of claim 27, wherein <u>at least one data viewer has access to at least two data sources, and</u> the <u>at least two</u> [one or more] data sources <u>operate under different data systems</u> [include one or more of the following data systems: DB2, Oracle, Sybase, INFORMIX, MS SQL SERVER, IMS, PDS, QSAM and VSAM or any combination thereof].

35.   (Canceled) The system of claim 27, wherein at least two data sources operate under different formats.

36.   (Canceled) The system of claim 35, wherein the plurality of data sources include one or more of the following data systems: DB2, Oracle, Sybase, INFORMIX, MS SQL SERVER, IMS, PDS, QSAM and VSAM or any combination thereof.

37.   (Currently amended) The system of claim 27, wherein the system uses JDBC connectivity to dynamically and recursively generate queries for accessing and manipulating data content in a multi-processing environment [the interface operates with any JDBC connectivity].

38.   (Canceled) The system of claim 27 further comprising a context sensitive help facility.

39.   (Canceled) The system of claim 38, wherein the context sensitive help facility is actuated by clicking the right button of a mouse.

40-43. (Withdrawn)

44.   (Currently amended) In a data [a] management system comprising an interface connecting the system to one or more data sources and at least one portal comprising [having] a plurality of data viewers, wherein the system allows more than one portal to be viewed simultaneously, wherein each data viewer has [having] access to one or more [a] data sources and [being configured to] analyzes [perform analysis of] data in the data sources and displays[ing] the results of said [an] analysis, wherein each portal and each data viewer has the ability to perform [having] one or more of the following management features: create, save, open, edit, merge and destroy, wherein the system allows one or more data viewers from one portal to be merged into another portal, wherein for each data viewer being merged into another portal, the data sources are cloned so as to isolate different instances of an original data source such that each data viewer has its own

cloned instance of a data source, and wherein the system allows data that is acquired from different instances of a single data source or different instances of different data sources to be edited across portals, and wherein federation supports the editing of data across portals, a processing method comprising the steps of:

monitoring and recording data source definitions used by each portal for data sources accessed in a work session;

monitoring and recording the state of viewers associated with data sources accessed in the work session;

closing of one or more portals in response to a user command;

storing in a memory location of data source definitions and viewers' states that exist at the time when the closing command is received; and

restoring the data source definitions and viewers' states from the memory location in response to a user command directing[ion] the opening of one or more closed portals.

45.   (Original) The method of claim 44, wherein the step of closing is in response to a command to terminate the work session.

46.   (Original) The method of claim 44, wherein the step of restoration is performed without user intervention.